

Appl. No. 09/700,712
Amendment dated: January 24, 2005
Reply to OA of: September 23, 2004

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-16(cancelled).

17(new). A Δ *thy A* strain of *Vibrio cholerae* deprived of its *thy A* gene in the chromosome and thus lacking the functionality of the *thy A* gene comprising at least one episomal autonomously replicating DNA elements having a functional *thy A* gene that enables the strain to grow in the absence of thymine in the growth medium and the one or several episomal autonomously replicating DNA elements further comprising a structural gene encoding a homologous or heterologous protein.

18(new). A Δ *thy A* strain of *Vibrio cholerae* wherein the strain has been deprived of its *thy A* gene by site-directed mutagenesis in the *V. Cholerae* chromosome for the deletion and/or insertion of nucleotides at the locus of the *thy A* gene.

19(new). The Δ *thy A* strain of *Vibrio cholerae* according to claim 17, wherein the episomal autonomously replicating DNA element is a plasmid.

20(new). The Δ *thy A* strain of *Vibrio cholerae* according to claim 17, wherein the episomal autonomously replicating DNA elements have a foreign *thy A* gene.

21(new). The Δ *thy A* strain of *Vibrio cholerae* according to claim 20, wherein the foreign *thy A* gene is an *E. coli* gene.

22(new). The Δ *thy A* strain of *Vibrio cholerae* according to claim 17, wherein the encoded heterologous protein is selected from heat labile enterotoxin B-subunit of

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Escherichia coli (LTB) and *Schistosoma japonicum* glutathione S-transferase 26 kD protein (GST 26 kD).

23(new). The Δthy A strain according to claim 17, wherein the *thy* A gene of the chromosome has the nucleotide sequence SEQ ID NO: 1, or said nucleotide sequence which has some natural or unnatural nucleotide extensions, truncations, deletions or additions that do not interfere with the natural function of the nucleotide sequence.